

Product datasheet

Specifications



battery control module, phaseo ABL7 ABL8, 24V DC, 40A, 7AH

ABL8BPK24A07

⚠ To be discontinued on: Dec 31, 2025 AD

⚠ To be end-of-service on: Dec 31, 2026 AD

⚠ To be discontinued

Main

Range of product	Phaseo
Product or component type	Battery module
Battery capacity	7 Ah

Complementary

Input voltage limits	21...29 V
Charging time	72 h
Load current	0.7 A
Self-discharge rate	9 %, 3 months 3 %, 1 month 15 %, 6 months
Output coupling	Parallel
Operating altitude	2000 m
Marking	CE
Net weight	6.5 kg

Environment

Product certifications	CTP UL
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-20...50 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	19.500 cm
Package 1 Width	20.000 cm
Package 1 Length	26.500 cm
Package 1 Weight	6.173 kg
Unit Type of Package 2	S06
Number of Units in Package 2	12
Package 2 Height	75.000 cm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	87.308 kg

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

How this information helps you >

Environmental footprint

Environmental Disclosure

[Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

EU RoHS Directive

Not applicable, out of EU RoHS legal scope

REACH Regulation

[REACH Declaration](#)

China RoHS Regulation

[China RoHS declaration](#)

PVC free

Yes

Use Again

Repack and remanufacture

Circularity Profile

[End of Life Information](#)

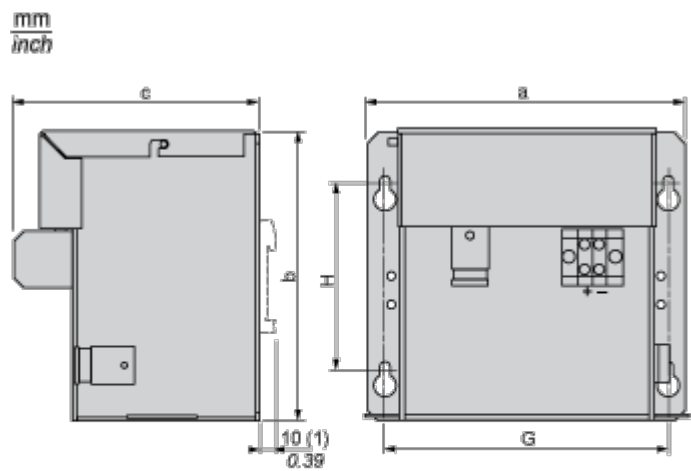
Take-back

No

Dimensions Drawings

24 Vdc Battery Module

Dimensions



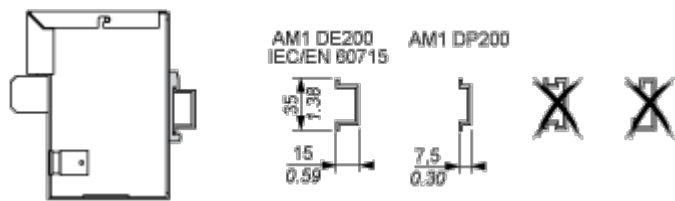
ABL	a	b	c	G	H
8BPK24A03	184/7.24	138,5/5.45	131	156/6.14	83/3.27
8BPK24A07	170/6.69	155,5/6.12	131	152/5.98	100/3.94
8BPK24A12	238/9.29	155,5/6.12	131	218/3.94	100/3.94

(1) ABL8BPK24A03 (with kit ABL1A02)

Mounting and Clearance

24 Vdc Battery Module

Mounting



Connections and Schema

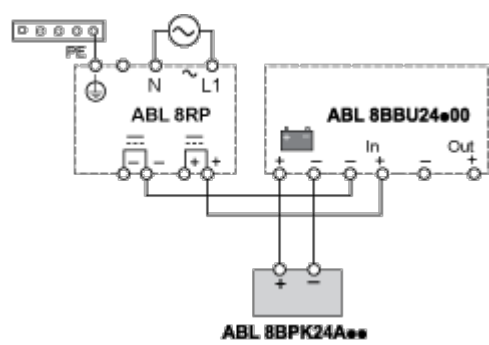
Wiring Requirements

Cable Types and Wire Sizes

		ABL 8BBU2400	ABL 8BBU24400
ABL 8BPK2400 $\pm$ - mm ² /AWG		6/10	10/6
		</	

24 Vdc Battery Module Wiring

Wiring Diagram



Paralleling 2 x ABL8BPK24A0•

Wiring Diagram

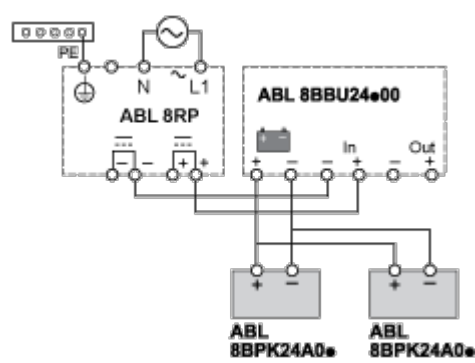


Image of product / Alternate images

Alternative





